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FIBER ORGANON

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Highlights

- Capacity Utilization Review...begins on page 3.
- Worldwide Net Available Supply...begins on page 10.
- Annual Shipment Summary...see page 18.

SHIPMENTS:

In December, total manufactured fiber shipments reached 705 million pounds, 1% below the 712 million pounds shipped in November and 3% above the 686 million pounds shipped in December 1990.

December shipments of synthetic (noncellulosic) filament yarn fell 2% to 338 million pounds and staple+tow fell 1% to 328 million pounds.

Contributing to the decrease in shipments over the previous month were olefin staple+tow down 20% or 8 million pounds, olefin yarn down 6% or 7 million pounds and polyester industrial yarn down 2 million pounds or 5%.

Year-to-date domestic shipments of manufactured fiber are down slightly and exports are down 4%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 DEC	1991 NOV	% CHG 12/91-11/91	1990 DEC	% CHG 12/91-12/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991-1990
ARTIFICIAL (CELLULOSIC)								
YARN	19.3	16.0	*+20.6*	17.8	*+8.4*	212.2	206.7	*+2.7*
RAYON STAPLE	20.3	20.7	*-1.9*	20.7	*-1.9*	263.6	304.2	*-13.3*
TOTAL ARTIFICIAL (CELL.)	**39.6**	**36.7**	***+7.9***	**38.5**	***+2.9***	**475.8**	**510.9**	***-6.9***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	23.5	23.6	*-0.4*	26.3	*-10.6*	314.3	341.2	*-7.9*
- CARPET	74.0	70.8	*+4.5*	84.0	*-11.9*	938.5	986.0	*-4.8*
- TEXTILE [a]	31.3	31.3	--	29.9	*+4.7*	383.1	369.1	*+3.8*
POLYESTER - INDUSTRIAL	26.8	28.3	*-5.3*	31.8	*-15.7*	335.6	360.9	*-7.0*
- TEXTILE [a]	70.5	72.1	*-2.2*	72.9	*-3.3*	860.8	770.2	*+11.8*
OLEFIN	111.5	118.8	*-6.1*	108.1	*+3.1*	1402.2	1426.3	*-1.7*
TOTAL YARN	**337.6**	**344.9**	***-2.1***	**353.0**	***-4.4***	**4234.5**	**4253.7**	***-0.5***
STAPLE+TOW+FIBERFILL								
NYLON	66.1	62.5	*+5.8*	63.6	*+3.9*	862.5	974.7	*-11.5*
ACRYLIC+MODACRYLIC	35.0	36.5	*-4.1*	45.0	*-22.2*	447.1	500.6	*-10.7*
POLYESTER	192.8	189.4	*+1.8*	154.6	*+24.7*	2230.9	2098.7	*+6.3*
OLEFIN	33.6	41.9	*-19.8*	31.0	*+8.4*	457.5	410.6	*+11.4*
TOTAL STAPLE	**327.5**	**330.3**	***-0.8***	**294.2**	***+11.3***	**3998.0**	**3984.6**	***+0.3***
TOTAL SYNTHETIC (NONCELL.)	**665.1**	**675.2**	***-1.5***	**647.2**	***+2.8***	**8232.5**	**8236.3**	***-0.1***
TOTAL MANUFACTURED FIBER	**704.7**	**711.9**	***-1.0***	**685.7**	***+2.8***	**8708.3**	**8749.2**	***-0.5***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	656.9	671.2	*-2.1*	628.1	*+4.6*	8186.2	8202.8	*-0.2*
EXPORTS [c]	47.8	40.7	*+17.4*	57.6	*-17.0*	522.1	546.4	*-4.4*

-- No change.
a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

January 1992

Fiber Organon

A Monthly Review

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CAPACITY UTILIZATION REVIEW

***Editor's Note** : This issue features production, producing capacity and capacity utilization in the industry from 1981 to 1991 Capacity utilization rates are based on production and capacity sizes. Thus, a utilization rate can be raised by an increase in production, a decrease in capacity or a combination of these two.*

During this period, several notable trends surfaced. The growth of synthetic (noncellulosic) fiber production from 1981 (an increase of 4% by1991) and a decline of artificial (cellulosic) fiber production (a decline of 37% by 1991). During the same time, capacity for synthetic (noncellulosic) fiber rose by 3%, while capacity for artificial (cellulosic) yarn declined by 39%.

This report presents data in six tables and four graphs: Review of Production, Producing Capacity & Capacity Utilization; Summary of Annual Production (1981-1991); Summary of Producing Capacities (1981-1991); Summary of Capacity Utilization Rates (1981-1991); Production of Synthetic (Noncellulosic) & Artificial (Cellulosic) Fibers as a Percentage of Total Manufactured Fiber Production; and Producing Capacity of Synthetic (Noncellulosic) & Artificial (Cellulosic) Fibers as a Percentage of Total Manufactured Fiber Capacity. Graphs show synthetic (noncellulosic) fiber production, capacity & capacity utilization, and also capacity & production trends of acrylic+modacrylic staple+tow, nylon carpet yarn, polyester textile yarn and polyester staple+tow.

The Review of Production, Producing Capacity & Capacity Utilization at the bottom of this page, ties the three major components of this report - production, producing capacity and capacity utilization - into one table for easy reference.

For this report, Fiber Economics Bureau **November** capacity survey data are used as the annual capacity figures. The Total Synthetic (Noncellulosic) data in this report do not include Glass Fiber or miscellaneous fibers such as spandex and saran.

TABLE 2:
REVIEW OF PRODUCTION, PRODUCING CAPACITY & CAPACITY UTILIZATION[a]
MILLION POUNDS & *PERCENT*

FIBER TYPE	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SYNTHETIC (NONCELLULOSIC)											
PRODUCTION	7985	6442	7534	7473	7564	7828	8316	8526	8516	8185	8266
CAPACITY	9696	9334	9274	9460	9558	9207	9350	9592	9673	9814	9962
UTILIZATION (%)	*82.4*	*69.0*	*81.2*	*79.0*	*79.1*	*85.0*	*88.9*	*88.9*	*88.0*	*83.4*	*83.0*
ARTIFICIAL (CELLULOSIC)											
PRODUCTION	770	584	640	628	558	619	605	614	580	505	486
CAPACITY	898	895	845	845	784	709	709	713	724	541	545
UTILIZATION (%)	*85.7*	*65.3*	*75.7*	*74.3*	*71.2*	*87.3*	*85.3*	*86.1*	*80.1*	*93.3*	*89.2*
TOTAL MANUFACTURED FIBERS											
PRODUCTION	8755	7026	8174	8101	8122	8447	8921	9140	9096	8690	8752
CAPACITY	10594	10229	10119	10305	10342	9916	10059	10305	10397	10355	10507
UTILIZATION (%)	*82.6*	*68.7*	*80.8*	*78.6*	*78.5*	*85.2*	*88.7*	*88.7*	*87.5*	*83.9*	*83.3*

a. Does not include data for Glass Fiber, saran, spandex, Aramid after 1982 or Vinyon after 1986.

TABLE 3:
SUMMARY OF ANNUAL PRODUCTION
MILLION POUNDS

YEAR	ARTIFICIAL (CELLULOSIC) FIBERS						TOTAL ARTIFICIAL (CELLULOSIC)
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1981	48	257	305	461	4	465	770
1982	33	195	228	355	1	356	584
1983	36	228	264	375	1	376	640
1984	41	198	239	389	+	389	628
1985	b	b	205	b	b	353	558
1986	b	b	215	b	b	404	619
1987	b	b	191	b	b	414	605
1988	b	b	214	b	b	400	614
1989	b	b	217	b	b	363	580
1990	b	b	206	b	b	299	505
1991	b	b	213	b	b	273	486

YEAR	SYNTHETIC (NONCELLULOSIC) FIBERS														TOTAL SYN. (NON-CELL.)
	YARN+MONOFILAMENTS									STAPLE+TOW					
	NYLON+ARAMID [a]				POLYESTER					NYLON+ ARAMID [a]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON [c]	TOTAL STAPLE	
	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN						
1981	410	461	710	1581	309	1260	1569	643	3793	752	2607	691	142	4192	7985
1982	315	354	573	1242	292	921	1213	585	3040	685	1955	624	138	3402	6442
1983	315	415	762	1492	299	1060	1359	716	3567	926	2184	671	186	3967	7534
1984	379	394	804	1577	316	884	1200	748	3525	835	2192	671	250	3948	7473
1985	343	353	819	1515	294	1027	1321	954	3790	828	2020	631	295	3774	7564
1986	339	360	907	1606	319	854	1173	1058	3837	908	2132	616	335	3991	7828
1987	364	381	952	1697	337	842	1179	1134	4010	992	2362	592	360	4306	8316
1988	377	383	968	1728	367	861	1228	1224	4180	942	2452	588	364	4346	8526
1989	373	412	974	1759	367	842	1209	1257	4225	981	2385	543	382	4291	8516
1990	335	357	980	1672	361	744	1105	1417	4194	990	2090	506	405	3991	8185
1991	322	385	961	1668	337	871	1208	1405	4281	869	2202	454	460	3985	8266

a. Data since 1982 do not include Aramid.
b. Detail withheld due to company disclosure.
c. Data for Vinyon not included after 1986.

Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments.

Acetate includes diacetate and triacetate. The acetate staple+tow data do not include tow for cigarette filtration.

Olefin includes polypropylene yarn+monofilaments+spunbonded+ film fiber and polyethylene monofilaments+film fiber.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

TABLE 4:
SUMMARY OF PRODUCING CAPACITIES
MILLION POUNDS

YEAR[a]	ARTIFICIAL (CELLULOSIC) FIBERS						TOTAL ARTIFICIAL (CELLULOSIC)
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1981	52	332	384	509	5	514	898
1982	63	318	381	510	4	514	895
1983	63	268	331	510	4	514	845
1984	63	268	331	510	4	514	845
1985	b	b	269	510	5	515	784
1986	b	b	244	b	b	465	709
1987	b	b	244	b	b	465	709
1988	b	b	244	b	b	469	713
1989	b	b	232	b	b	492	724
1990	b	b	219	b	b	322	541
1991	b	b	220	b	b	325	545

YEAR[a]	SYNTHETIC (NONCELLULOSIC) FIBERS														TOTAL SYN. (NON-CELL.)	GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW						
	NYLON+ARAMID[c]				POLYESTER											
	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN	NYLON+ ARAMID[c]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON[d]	TOTAL STAPLE		
1981	514	553	893	1960	316	1481	1797	989	4746	1010	2839	835	266	4950	9696	1561
1982	474	513	925	1912	338	1265	1603	1038	4553	978	2700	832	271	4781	9334	1718
1983	440	494	907	1841	337	1170	1507	1099	4447	1017	2704	826	280	4827	9274	1618
1984	437	470	926	1833	342	1162	1504	1142	4479	1054	2784	807	336	4981	9460	1743
1985	437	466	965	1868	374	1097	1471	1329	4668	1067	2785	631	407	4890	9558	1769
1986	435	398	964	1797	401	1021	1422	1326	4545	1077	2491	637	457	4662	9207	1763
1987	418	404	1005	1827	399	929	1328	1402	4557	1137	2522	652	482	4793	9350	1642
1988	421	423	1053	1897	408	968	1376	1470	4743	1137	2584	642	486	4849	9592	1729
1989	420	430	1168	2018	420	900	1320	1580	4918	1150	2464	641	500	4755	9673	1822
1990	377	450	1197	2024	433	908	1341	1761	5126	1144	2578	446	520	4688	9814	1824
1991	383	437	1182	2002	438	936	1374	1800	5176	1141	2603	487	555	4786	9962	1818

a. **All annual capacity data are as of November of that year.**
b. Detail withheld due to disclosure.
c. Data since 1982 do not include Aramid.
d. Data for Vinyon not included after 1986.

The data do not include acetate tow for cigarette filtration.

IND means industrial yarn and monofil, i.e., coarser than 500 denier with an Instron tenacity of 7 grams or more per denier.

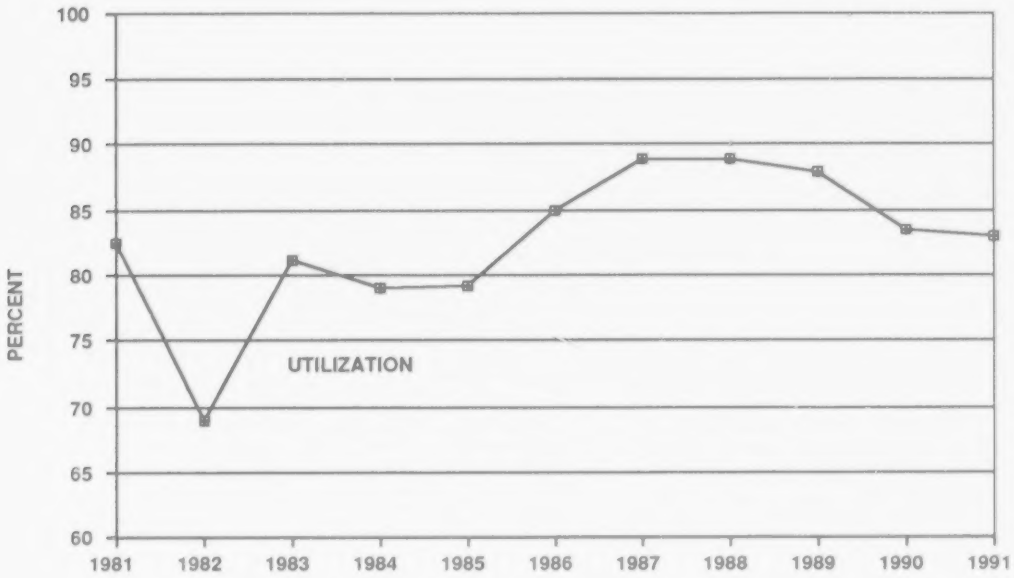
CARP means bulked continuous filament yarn for carpets.

TEX means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles and film fiber used for decorative or tying ribbon, etc. Olefin monofil includes the circular and rectangular ribbon cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated film.

For the purposes of this report, capacity data for miscellaneous fibers, such as saran and spandex, are not included.

GRAPH 1:
SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION, CAPACITY & CAPACITY UTILIZATION



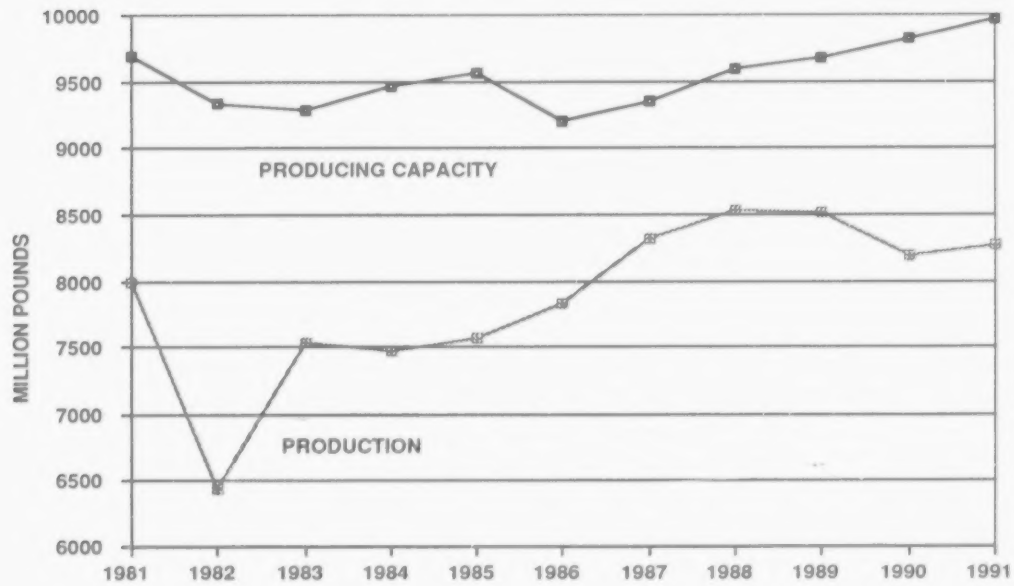


TABLE 5:
SUMMARY OF CAPACITY UTILIZATION RATES
PERCENT (%)

	ARTIFICIAL (CELLULOSIC) FIBERS						TOTAL
	FILAMENT YARN+MONOFIL			STAPLE+TOW			ARTIFICIAL
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	(CELLULOSIC)
1981	92.3	77.4	79.4	90.6	80.0	90.5	85.7
1982	52.4	61.3	59.8	69.6	25.0	69.3	65.3
1983	57.1	85.1	79.8	73.5	25.0	73.2	75.7
1984	65.1	73.9	72.2	76.3	0	75.7	74.3
1985	b	b	76.2	b	b	68.5	71.2
1986	b	b	88.1	b	b	86.9	87.3
1987	b	b	78.3	b	b	89.0	85.3
1988	b	b	87.7	b	b	85.3	86.1
1989	b	b	93.5	b	b	73.8	80.1
1990	b	b	94.1	b	b	92.9	93.3
1991	b	b	96.8	b	b	84.0	89.2

	SYNTHETIC (NONCELLULOSIC) FIBERS [c]													TOTAL
	YARN+MONOFILAMENTS								STAPLE+TOW					SYN.
	NYLON+ARAMID [a]				POLYESTER									(NON-
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN	NYLON+ ARAMID [a]	POLY- ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON [d]	TOTAL STAPLE	CELL.)
1981	79.8	83.4	79.5	80.7	97.8	85.1	87.3	65.0	79.9	74.5	91.8	82.8	53.4	84.7	82.4
1982	66.5	69.0	61.9	65.0	86.4	72.8	75.7	56.4	66.8	70.0	72.4	75.0	50.9	71.2	69.0
1983	71.6	84.0	84.0	81.0	88.7	90.6	90.2	65.2	80.2	91.1	80.8	81.2	66.4	82.2	81.2
1984	86.7	83.8	86.8	86.0	92.4	76.1	79.8	65.5	78.7	79.2	78.7	83.1	74.4	79.3	79.0
1985	78.5	75.8	84.9	81.1	78.6	93.6	89.8	71.8	81.2	77.6	72.5	100.0	72.5	77.2	79.1
1986	77.9	90.5	94.1	89.4	79.6	83.6	82.5	79.8	84.4	84.3	85.6	96.7	73.3	85.6	85.0
1987	87.1	94.3	94.7	92.9	84.5	90.6	88.8	80.9	88.0	87.2	93.7	90.8	74.7	89.8	88.9
1988	89.5	90.5	91.9	91.1	90.0	88.9	89.2	83.3	88.1	82.8	94.9	91.6	74.9	89.6	88.9
1989	88.8	95.8	83.4	87.2	87.4	93.6	91.6	79.6	85.9	85.3	96.8	84.7	76.4	90.2	88.0
1990	88.9	79.3	81.9	82.6	83.4	81.9	82.4	80.5	81.8	86.5	81.1	113.5	77.9	85.1	83.4
1991	84.1	88.1	81.3	83.3	76.9	93.1	87.9	78.1	82.7	76.2	84.6	93.2	82.9	83.3	83.0

All percentages based on data in the tables on pages 4 and 5.

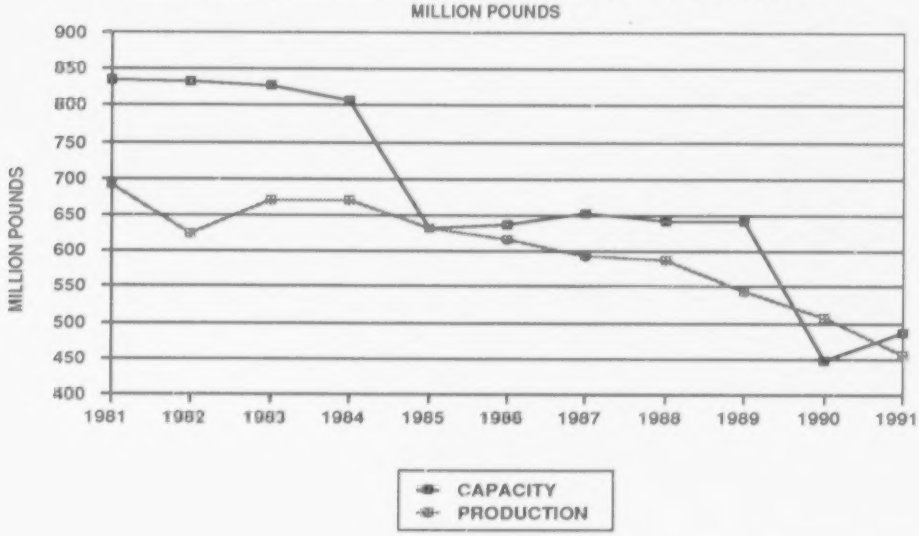
a. Data since 1982 do not include Aramid.

b. Detail withheld due to company disclosure.

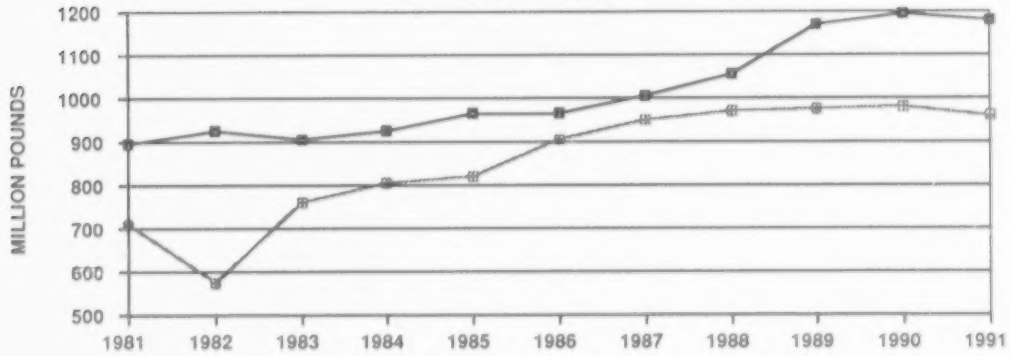
c. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the January 1984 issue.

d. Data for Vinyon not included after 1986.

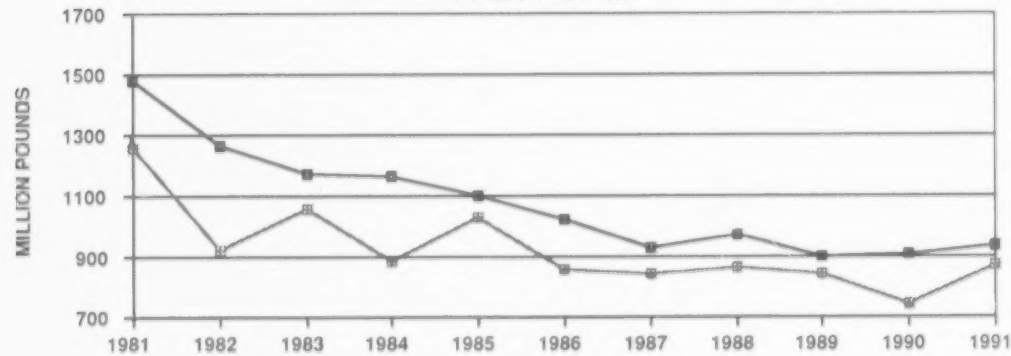
GRAPH 2:
ACRYLIC+MODACRYLIC STAPLE+TOW CAPACITY & PRODUCTION



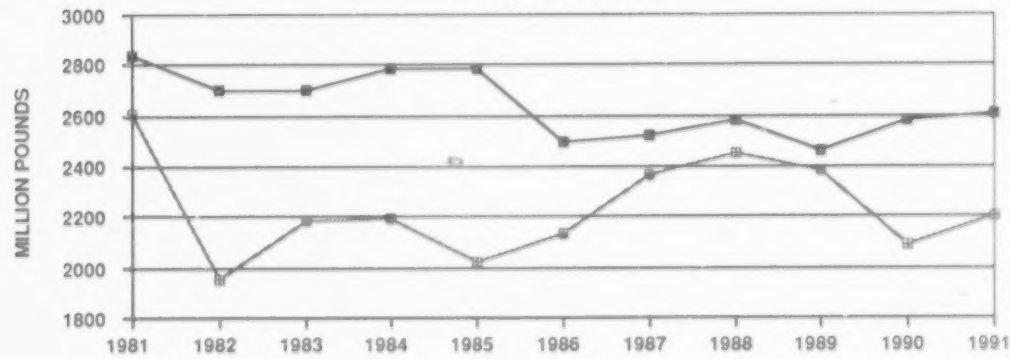
GRAPH 3:
NYLON CARPET YARN CAPACITY & PRODUCTION
MILLION POUNDS



GRAPH 4:
POLYESTER TEXTILE YARN CAPACITY & PRODUCT [a]
MILLION POUNDS



GRAPH 5:
POLYESTER STAPLE+TOW CAPACITY & PRODUCTION
MILLION POUNDS



a. Includes low denier industrial.

CAPACITY
PRODUCTION

TABLE 6:
PRODUCTION OF SYNTHETIC (NONCELLULOSIC) & ARTIFICIAL (CELLULOSIC) FIBERS [a]
AS A PERCENTAGE OF TOTAL MANUFACTURED FIBER PRODUCTION
MILLION POUNDS & *PERCENT*

YEAR	SYNTHETIC (NON-CELLULOSIC)	%	ARTIFICIAL (CELLULOSIC)	%	TOTAL MANUFACTURED FIBER	%
1981	7985	*91.2*	770	*8.8*	8755	*100.0*
1982	6442	*91.7*	584	*8.3*	7026	*100.0*
1983	7534	*92.2*	640	*7.8*	8174	*100.0*
1984	7473	*92.2*	628	*7.8*	8101	*100.0*
1985	7564	*93.1*	558	*6.9*	8122	*100.0*
1986	7828	*92.7*	619	*7.3*	8447	*100.0*
1987	8316	*93.2*	605	*6.8*	8921	*100.0*
1988	8526	*93.3*	614	*6.7*	9140	*100.0*
1989	8516	*93.6*	580	*6.4*	9096	*100.0*
1990	8185	*94.2*	505	*5.8*	8690	*100.0*
1991	8266	*94.4*	486	*5.6*	8752	*100.0*

a. Data on Glass Fiber are no longer available due to company disclosure.
The series including Glass Fiber was last published in the January 1984 issue.

TABLE 7:
PRODUCING CAPACITY OF SYNTHETIC (NONCELLULOSIC) & ARTIFICIAL (CELLULOSIC) FIBERS [a]
AS A PERCENTAGE OF TOTAL MANUFACTURED FIBER CAPACITY
MILLION POUNDS & *PERCENT*

YEAR	SYNTHETIC (NON-CELLULOSIC)	%	ARTIFICIAL (CELLULOSIC)	%	TOTAL MANUFACTURED FIBER	%
1981	9696	*91.5*	898	*8.5*	10594	*100.0*
1982	9334	*91.3*	895	*8.7*	10229	*100.0*
1983	9274	*91.6*	845	*8.4*	10119	*100.0*
1984	9460	*91.8*	845	*8.2*	10305	*100.0*
1985	9558	*92.4*	784	*7.6*	10342	*100.0*
1986	9207	*92.8*	709	*7.2*	9916	*100.0*
1987	9350	*93.0*	709	*7.0*	10059	*100.0*
1988	9592	*93.1*	713	*6.9*	10305	*100.0*
1989	9673	*93.0*	724	*7.0*	10397	*100.0*
1990	9814	*94.8*	541	*5.2*	10355	*100.0*
1991	9962	*94.8*	545	*5.2*	10507	*100.0*

a. Data on Glass Fiber are no longer available due to company disclosure.
The series including Glass Fiber was last published in the January 1984 issue.

TABLE 8:
1990 MANUFACTURED FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY EXCEPT OLEFIN & GLASS FIBER

MILLION POUNDS

	ARTIFICIAL (CELLULOSIC)								SYNTHETIC (NONCELLULOSIC)								TOTAL MANUFACTURED FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW							ART.	SYN.	NET
COUNTRY & AREA	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	SPUN	SPUN	AVAIL
WESTERN EUROPE																						
AUSTRIA	NA	7.0	0.5	NA	NA	6.9	0.9	NA	0	45.9	5.0	40.9	38.6	42.3	2.2	78.7	336.2	102.1	8.6	-54.5	-5.0	370.2
BENELUX	NA	58.3	20.0	NA	NA	106.7	5.9	NA	176.4	494.2	133.7	536.9	88.2	287.4	157.4	218.2	350.6	946.6	317.0	+29.6	+60.7	1070.5
FINLAND	NA	1.0	+	NA	NA	7.0	0.1	NA	0.4	21.7	0.2	21.9	0	23.8	0.2	23.6	141.0	53.5	0.5	+1.2	+7.2	202.4
FRANCE	NA	74.3	22.7	NA	NA	73.0	4.4	NA	129.4	275.8	125.6	279.6	216.7	239.0	138.7	317.0	350.5	662.1	291.4	+42.6	+42.9	806.7
WEST GERMANY	NA	62.3	72.1	NA	NA	130.4	786.2	NA	800.3	264.3	451.8	612.8	912.7	344.4	126.5	1130.6	1999.6	801.4	1436.6	-9.1	-19.1	1336.2
GREECE	NA	0.7	11.6	NA	NA	11.0	0	NA	22.5	19.5	7.8	34.2	8.8	51.5	2.3	58.0	46.7	82.7	21.7	+2.2	+16.8	126.7
IRELAND	0	0.6	0.2	0.4	0	5.8	0.6	5.2	35.5	19.9	40.6	14.8	169.5	17.2	122.8	63.9	205.0	43.5	164.2	+0.4	-5.3	79.4
ITALY/MALTA	NA	64.4	14.4	NA	NA	104.6	5.7	NA	411.2	242.9	295.5	358.6	825.6	384.4	308.9	901.1	1316.2	796.3	624.5	+33.7	-85.9	1435.8
NORWAY	0	0.2	0	0.2	0	3.2	0.7	2.5	0	10.2	0.1	10.1	0	6.9	0	6.9	0	20.5	0.8	+0.2	+1.5	21.4
PORTUGAL	NA	8.3	0.4	NA	NA	21.3	0	NA	0	68.0	5.1	62.9	127.4	35.9	30.3	133.0	129.2	133.5	35.8	+1.7	+16.7	245.3
SPAIN	NA	16.2	7.8	NA	NA	34.1	28.7	NA	175.3	98.4	43.6	230.1	378.1	129.7	225.1	282.7	632.8	278.4	305.2	-0.6	-31.6	573.8
SWEDEN	NA	4.5	1.9	NA	NA	7.3	48.1	NA	0	26.3	1.1	25.2	0	24.2	1.9	22.3	53.8	62.3	53.0	+0.3	+4.8	68.2
SWITZERLAND	0	5.2	1.5	3.7	0	16.0	2.1	13.9	166.4	20.8	150.9	36.3	39.7	25.5	76.8	-11.6	206.1	67.5	231.3	+0.7	+8.6	51.6
TURKEY	NA	3.5	0.1	NA	NA	1.4	0	NA	187.4	35.1	47.4	175.1	404.5	60.5	39.7	425.3	615.5	100.5	87.2	+0.4	-20.6	608.6
UNITED KINGDOM	NA	24.6	0.3	NA	NA	38.9	85.2	NA	220.5	308.8	194.2	335.1	180.8	278.9	79.6	380.1	557.8	651.2	359.3	+2.6	+65.7	918.0
TOTAL WESTERN EUROPE	**416.7**	**331.1**	**153.5**	**594.3**	**808.5**	**567.6**	**968.6**	**407.5**	**2325.3**	**1951.8**	**1502.6**	**2774.5**	**3390.6**	**1951.6**	**1312.4**	**4029.8**	**6941.0**	**4802.1**	**3937.1**	**+51.4**	**+57.4**	**7914.8**
EASTERN EUROPE																						
ALBANIA	0	0.1	0	0.1	0	0.2	0	0.2	1.1	0.1	0.1	1.1	0	0.5	0	0.5	1.1	0.9	0.1	0	+0.3	2.2
BULGARIA	9.5	0.7	1.7	8.5	0	0.4	0.3	0.1	77.8	2.6	2.4	78.0	95.7	10.3	6.2	99.8	183.0	14.0	10.6	+	+0.2	186.6
CZECHOSLOVAKIA	35.5	0.1	0.5	35.1	89.7	0.1	2.7	87.1	178.4	4.5	16.9	166.0	105.8	7.0	8.4	104.4	409.4	11.7	28.5	+	+2.4	395.0
EAST GERMANY	57.5	0.4	+	57.9	233.7	3.7	5.6	231.8	125.7	2.3	4.3	123.7	164.0	2.6	10.0	156.6	580.9	9.0	19.9	+2.8	+6.1	578.9
HUNGARY	0	0.7	0.8	-0.1	9.0	0.6	3.5	6.1	10.6	7.6	3.9	14.3	31.5	12.5	9.3	34.7	51.1	21.4	17.5	-5.4	-0.4	49.2
POLAND	30.6	0.6	1.1	30.1	48.1	+	6.7	41.4	140.2	1.9	6.2	135.9	91.9	8.6	11.8	88.7	310.8	11.1	25.8	+0.1	+2.3	298.5
ROMANIA	19.8	0	+	19.8	139.3	+	10.0	129.3	112.2	0.8	6.2	106.8	268.3	0.2	27.9	240.6	539.6	1.0	44.1	+	-0.4	496.1
U.S.S.R.	524.7	18.1	0.2	542.6	712.1	20.3	0.8	731.6	1070.3	107.5	0.1	1177.7	943.6	49.9	4.6	988.9	3250.7	195.8	5.7	+	+6.6	3447.4
YUGOSLAVIA	34.2	0.7	3.1	31.8	126.8	0.4	18.1	109.1	114.0	28.2	17.5	124.7	141.8	27.2	22.2	146.8	416.8	56.5	60.9	-5.0	+2.9	410.3
TOTAL EASTERN EUROPE	**711.8**	**21.4**	**7.4**	**725.8**	**1358.7**	**25.7**	**47.7**	**1336.7**	**1830.3**	**155.5**	**57.6**	**1928.2**	**1842.6**	**118.8**	**100.4**	**1861.0**	**5743.4**	**321.4**	**213.1**	**-7.5**	**+20.0**	**5864.2**
TOTAL EUROPE	**1128.5**	**352.5**	**160.9**	**1320.1**	**2167.2**	**593.3**	**1016.3**	**1744.2**	**4155.6**	**2107.3**	**1560.2**	**4702.7**	**5233.2**	**2070.4**	**1412.8**	**5890.8**	**12684.4**	**5123.5**	**4150.2**	**+43.9**	**+77.4**	**13779.0**
U.S.A.	**206.2**	**24.2**	**3.6**	**226.8**	**299.1**	**111.6**	**16.6**	**394.1**	**2777.1**	**154.7**	**399.0**	**2532.8**	**3585.3**	**209.8**	**293.4**	**3501.7**	**6867.7**	**500.3**	**712.6**	**0**	**-26.6**	**6628.8**
CANADA	**24.7**	**13.2**	**20.0**	**17.9**	**62.8**	**2.3**	**44.0**	**21.1**	**144.2**	**114.6**	**80.3**	**178.5**	**112.2**	**71.6**	**18.8**	**165.0**	**343.9**	**201.7**	**163.1**	**+5.7**	**+54.8**	**443.0**
OTHER AMERICAS																						
ARGENTINA	6.0	0.1	+	6.1	0	0.1	0	0.1	57.1	1.1	0	58.2	43.2	3.8	0	47.0	106.3	5.1	+	+0.5	0	111.9
BOLIVIA	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	0	2.2	0	2.2	0	0	0	2.2
BRAZIL	32.0	4.9	11.7	25.2	89.3	2.9	27.1	65.1	264.3	15.2	9.3	270.2	190.0	15.7	9.0	196.7	575.6	38.7	57.1	0	-17.6	539.6
CHILE	2.9	+	1.5	1.4	9.5	1.3	0	10.8	11.9	2.2	0	14.1	14.3	18.9	0	33.2	38.6	22.4	1.5	0	0	59.5
COLOMBIA	2.9	0.2	0	3.1	0	1.8	0	1.8	85.1	2.3	0	87.4	35.5	6.9	0	42.4	123.5	11.2	0	0	0	134.7
COSTA RICA	0	+	0	+	0	+	0	+	9.9	0.9	6.5	4.3	0	7.4	0	7.4	9.9	8.3	6.5	0	0	11.7
CUBA	1.1	0	0	1.1	18.3	0	0	18.3	0	0	0	0	0	0	0	0	19.4	0	0	0	0	19.4
ECUADOR	0	0	+	+	0	0.5	0	0.5	12.6	1.4	0	14.0	0	9.4	0	9.4	12.6	11.3	0	0	0	23.9
MEXICO	29.1	0.6	2.0	27.7	0	10.7	0.1	10.6	291.0	10.1	32.4	268.7	421.7	47.0	27.1	441.6	741.8	68.4	61.6	+	-6.4	742.2
PERU	3.1	+	0.1	3.0	0	+	0	+	27.1	0.6	+	27.7	72.3	0.5	0	72.8	102.5	1.1	0.1	+	0	103.5
URUGUAY	3.5	+	+	3.5	0	+	0	+	3.3	0.3	0	3.6	9.7	0.6	0	10.3	16.5	0.9	+	0	0	17.4
VENEZUELA	2.6	0.1	0	2.7	0	1.0	0.1	0.9	36.6	1.4	0	38.0	48.9	4.5	3.1	50.3	88.1	7.0	3.2	0	0	91.9
TOTAL OTHER AMERICAS	83.2	5.9	15.3	73.8	117.1	18.3	27.3	108.1	798.9	35.5	48.2	786.2	835.6	116.9	39.2	913.3	1834.8	176.6	130.0	+0.5	-24.0	1857.9

TABLE 8:
1990 MANUFACTURED FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY EXCEPT OLEFIN & GLASS FIBER *(CONTINUED)*

MILLION POUNDS

COUNTRY & AREA	ARTIFICIAL (CELLULOSIC)								SYNTHETIC (NONCELLULOSIC)								TOTAL MANUFACTURED FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW									
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	ART. SPUN	SYN. SPUN	NET AVAIL
JAPAN	218.5	4.6	72.1	151.0	389.6	1.4	172.4	218.6	1547.8	164.2	195.1	1516.9	1593.7	43.6	530.7	1106.6	3749.6	213.8	970.3	-8.9	-10.4	2973.8
CHINA, PRC	116.8	3.0	0.6	119.2	330.7	253.3	0.7	583.3	1113.3	161.2	0	1274.5	1773.4	837.7	0.8	2610.3	3334.2	1255.2	2.1	-41.4	-11.1	4534.8
OTHER ASIA																						
BANGLADESH	10.4	0	0	10.4	2.6	0.4	0	3.0	1.3	0	0	1.3	0	0	0	0	14.3	0.4	0	0	0	14.7
HONG KONG	0	5.8	+	5.8	0	15.4	0	15.4	0	14.0	0	14.0	0	57.9	0	57.9	0	93.1	+	+0.6	-1.7	92.0
INDIA	126.3	5.8	4.3	129.8	349.4	0.3	0.2	349.5	570.8	20.8	3.8	587.8	379.2	27.6	57.0	349.8	1427.7	54.5	65.3	-8.5	-11.8	1396.6
INDONESIA	0	1.7	0.1	1.6	132.3	9.5	+	141.8	341.7	54.8	9.8	386.7	253.5	37.5	0.9	290.1	727.5	103.5	10.8	-12.3	-15.2	792.7
KOREA, REP. OF	34.8	56.3	5.3	85.8	0	78.2	20.6	57.6	1482.2	100.0	256.1	1326.1	1317.0	118.6	539.2	896.4	2834.0	353.1	821.2	+27.5	-127.2	2266.2
MALAYSIA	0	0.2	0	0.2	0	1.3	0	1.3	0	3.1	0	3.1	92.4	24.8	0.4	116.8	92.4	29.4	0.4	+	-7.2	114.2
PAKISTAN	6.2	7.7	0.3	13.6	0	11.6	0	11.6	69.4	6.3	0	75.7	88.6	15.1	0	103.7	164.2	40.7	0.3	0	-6.5	198.1
PHILIPPINES	0	0.2	0	0.2	0	6.8	0	6.8	58.4	4.1	0	62.5	38.6	16.6	0	55.2	97.0	27.7	0	-0.3	0	124.4
SRI LANKA	0	0.1	0	0.1	0	2.6	0	2.6	4.6	0.9	0	5.5	0	0.2	0	0.2	4.6	3.8	0	0	0	8.4
TAIWAN	4.9	6.8	14.8	-3.1	321.2	10.7	95.5	236.4	1909.2	75.0	156.8	1827.4	1665.6	95.4	716.2	1044.8	3900.9	137.9	983.3	-34.7	-256.2	2814.6
THAILAND	0	0.6	+	0.6	91.5	1.4	3.8	89.1	151.5	8.0	2.5	157.0	201.7	20.1	0.3	221.5	444.7	30.1	6.6	-8.7	-2.9	456.6
TOTAL OTHER ASIA	184.6	85.2	24.8	245.0	897.0	138.2	120.1	915.1	4589.1	287.0	429.0	4447.1	4036.6	413.8	1314.0	3136.4	9707.3	924.2	1887.9	-36.4	-428.7	8278.5
MIDDLE EAST, AFRICA & OCEANIA																						
AUSTRALIA/N.Z.	0	0.7	0.2	0.5	0	1.8	+	1.8	34.6	47.6	0.4	81.8	2.6	19.1	1.0	20.7	37.2	69.2	1.6	+0.3	+10.0	115.1
EGYPT	17.4	0.2	+	17.6	11.5	+	0	11.5	23.8	10.9	0	34.7	88.2	2.1	21.7	68.6	140.9	13.2	+	+0.1	-3.7	150.5
IRAN	0	0.8	0	0.8	0	7.2	0	7.2	22.7	2.4	0	25.1	75.0	50.4	0	125.4	97.7	60.8	0	0	+3.9	162.4
IRAQ	6.6	0.6	0	7.2	12.3	0	0.6	11.7	0	0.8	0	0.8	0	1.7	0	1.7	18.9	3.1	0.6	+0.2	0	21.6
ISRAEL	0	0.6	0	0.6	0	0.3	0	0.3	28.4	13.4	9.7	32.1	0	48.7	1.3	47.4	28.4	63.0	11.0	+9.4	+6.5	96.3
KENYA	0	0	0	0	0	0.8	0	0.8	13.9	0.1	0	14.0	2.6	6.4	0	9.0	16.5	7.3	0	0	0	23.8
NIGERIA	0	0	0	0	0	0.2	0	0.2	10.4	1.6	3.5	8.5	2.4	7.7	0	10.1	12.8	9.5	3.5	+0.5	0	19.3
SOUTH AFRICA	0	+	0	+	0	0.8	0	0.8	112.2	9.8	10.6	111.4	67.5	19.5	1.4	85.6	179.7	30.1	12.0	+0.3	0	198.1
TANZANIA	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0	0.6	0	0.6	0	0.7	0	0	0	0.7
TOTAL M.E., A. & O.	24.0	2.9	0.2	26.7	23.8	11.1	0.6	34.3	246.0	86.7	24.2	308.5	238.3	156.2	25.4	369.1	532.1	256.9	28.7	+10.8	+16.7	787.8
TOTAL ALL COUNTRIES	1906.5	491.5	297.5	2180.5	4287.3	1129.5	1398.0	4018.8	15372.0	3111.2	2736.0	15747.2	17408.3	3920.0	3635.1	17693.2	39054.0	8652.2	8044.9	-25.8	-351.9	39283.6

Explanation of this table can be found below.

NA Not Available

\+ Less than 100 thousand pounds.

NET AVAILABLE SUPPLY

The 1990 by-country production, import, export and net available or retained supply of four categories of manufactured fiber are presented in millions of pounds in Table 8. The data in Table 8 exclude acetate cigarette tow and include imports and exports of tire cord and tire cord fabric.

"Net Available Supply" is defined as production plus imports less exports plus the balance of trade in spun yarn. Sometimes this is called **"apparent consumption"**. **"Yarn"** is defined to include tire cord and tire cord fabric, filament yarn and monofilaments. **"Staple"** is defined to include tow, fiberfill, tops and advanced waste. Unprocessed waste is not included.

Except for spun yarns, the imports and exports of manufactured and semimanufactured products (e.g., fabric, dresses, hosiery, etc.) are not included in the manufactured fiber data.

The spun yarn data are shown under the **"Total Manufactured Fiber"** columns in Table 8. Space does not permit the presentation of import and export data separately. These data may include some quantities of blending fibers other than manufactured fiber.

A net import quantity is shown in the **"spun"** column as (+); in other words, an addition to a country's net available supply, while conversally a net export is shown as (-). For example, the 1990 artificial (cellulosic) spun yarn net figure for Japan is shown as -8.9, which consists of imports of 1.8 (+1.8) and exports of 10.7 (-10.7).

TABLE 9:
MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL
IN SELECTED COUNTRIES EXCLUDING OLEFIN & GLASS FIBER
MILLION POUNDS

COUNTRY	MANUFACTURED FIBER [a]		COTTON [b]		WOOL [c]		TOTAL	
	1989	1990	1989	1990	1989	1990	1989	1990
WESTERN EUROPE								
AUSTRIA	147.2	370.2	48.0	55.2	9.0	8.7	204.2	434.1
BENELUX	720.0	1070.5	121.9	100.8	99.2	87.5	941.1	1258.8
FINLAND	114.2	202.4	12.5	5.3	2.3	1.3	129.0	209.0
FRANCE	815.4	806.7	275.5	249.6	62.1	47.7	1153.0	1104.0
WEST GERMANY	1145.6	1336.2	454.1	477.6	132.4	115.0	1732.1	1928.8
GREECE	95.8	126.7	374.9	330.7	31.1	31.6	501.8	489.0
IRELAND	74.2	79.4	60.0	57.6	20.1	21.7	154.3	158.7
ITALY/MALTA	1195.7	1435.8	694.6	756.0	294.5	303.5	2184.8	2495.3
NORWAY	18.3	21.4	7.2	6.7	4.5	4.6	30.0	32.7
PORTUGAL	225.3	245.3	401.3	427.2	22.1	23.7	648.7	696.2
SPAIN	725.2	573.8	339.4	338.4	36.6	28.3	1101.2	940.5
SWEDEN	78.3	68.2	11.0	11.0	0.9	0.9	90.2	80.1
SWITZERLAND	62.6	51.6	147.8	136.8	14.7	15.5	225.1	203.9
TURKEY	582.7	608.6	1234.6	1190.4	d	139.7	1817.3	1938.7
UNITED KINGDOM	937.5	918.0	76.8	52.8	177.8	175.9	1192.1	1146.7
TOTAL WESTERN EUROPE	**6938.0**	**7914.8**	**4259.6**	**4196.1**	**907.3**	**1005.6**	**12104.9**	**13116.5**
EASTERN EUROPE								
ALBANIA	2.0	2.2	16.8	16.3	d	d	18.8	18.5
BULGARIA	226.4	186.6	117.6	86.4	30.7	28.4	374.7	301.4
CZECHOSLOVAKIA	367.6	395.0	262.1	214.6	56.9	44.2	686.6	653.8
EAST GERMANY	711.9	578.9	182.4	0	48.5	40.5	942.8	619.4
HUNGARY	83.2	49.2	121.9	90.2	10.6	9.9	215.7	149.3
POLAND	444.4	298.5	316.3	199.2	43.5	30.0	804.2	527.7
ROMANIA	562.7	496.1	161.8	171.8	44.1	34.0	768.6	701.9
U.S.S.R.	3396.1	3447.4	4416.0	4195.2	736.1	567.5	8548.2	8210.1
YUGOSLAVIA	399.7	410.3	231.4	168.5	32.2	27.2	663.3	606.0
TOTAL EASTERN EUROPE	**6194.0**	**5864.2**	**5826.3**	**5142.2**	**1002.6**	**781.7**	**13022.9**	**11788.1**
TOTAL EUROPE	**13132.0**	**13779.0**	**10085.9**	**9338.3**	**1909.9**	**1787.3**	**25127.8**	**24904.6**
U.S.A.	**7242.2**	**6628.8**	**4128.0**	**4080.0**	**130.1**	**111.0**	**11500.3**	**10819.8**
CANADA	**550.8**	**443.0**	**90.2**	**88.3**	**14.2**	**9.6**	**655.2**	**540.9**
OTHER AMERICAS								
ARGENTINA	106.5	111.9	217.0	312.0	45.6	53.7	370.1	477.6
BOLIVIA	2.3	2.2	24.0	21.6	10.9	10.9	37.2	34.7
BRAZIL	634.7	539.6	1708.8	1596.0	13.2	9.9	2356.7	2145.5
CHILE	52.5	59.5	33.6	52.8	16.8	17.0	102.9	129.3
COLOMBIA	132.2	134.7	212.6	258.2	5.7	4.3	350.5	397.2
COSTA RICA	2.8	11.7	5.8	6.2	d	d	8.6	17.9
CUBA	18.7	19.4	96.0	86.4	d	d	114.7	105.8
ECUADOR	29.3	23.9	38.4	39.8	d	2.2	67.7	65.9
MEXICO	765.2	742.2	360.5	368.6	12.8	12.8	1138.5	1123.6
PERU	109.3	103.5	175.2	134.4	11.0	9.9	295.5	247.8
URUGUAY	17.4	17.4	4.8	12.0	12.3	12.0	34.5	41.4
VENEZUELA	99.5	91.9	55.2	99.4	1.6	2.6	156.3	193.9
TOTAL OTHER AMERICAS	1970.4	1857.9	2931.9	2987.4	130.9	135.3	5033.2	4980.6

TABLE 9:
MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL IN SELECTED COUNTRIES EXCLUDING OLEFIN & GLASS FIBER *(CONTINUED)*

MILLION POUNDS

COUNTRY	MANUFACTURED FIBER [a]		COTTON [b]		WOOL [c]		TOTAL	
	1989	1990	1989	1990	1989	1990	1989	1990
JAPAN	2851.5	2973.8	1545.6	1411.2	268.8	243.0	4665.9	4628.0
CHINA, PRC	4355.0	4534.8	9675.8	9804.0	536.7	376.3	14567.5	14715.1
OTHER ASIA								
BANGLADESH	17.3	14.7	151.2	166.6	d	d	168.5	181.3
HONG KONG	60.6	92.0	528.0	460.8	13.9	10.4	602.5	563.2
INDIA	1149.9	1396.6	4104.0	4344.5	70.9	84.4	5324.8	5825.5
INDONESIA	687.3	792.7	639.4	740.6	d	d	1326.7	1533.3
KOREA, REP. OF	2353.0	2266.2	984.5	960.0	116.0	100.3	3453.5	3326.5
MALAYSIA	116.4	114.2	101.3	97.0	3.0	4.1	220.7	215.3
PAKISTAN	147.5	198.1	2286.2	2772.0	54.0	45.9	2487.7	3016.0
PHILIPPINES	134.5	124.4	147.8	121.4	d	d	282.3	245.8
SRI LANKA	7.2	8.4	21.6	19.2	d	d	28.8	27.6
TAIWAN	2993.2	2814.6	727.7	681.1	46.1	19.8	3767.0	3515.5
THAILAND	422.0	456.6	661.4	694.6	d	d	1083.4	1151.2
TOTAL OTHER ASIA	8088.9	8278.5	10353.1	11057.8	303.9	264.9	18745.9	19601.2
MIDDLE EAST, AFRICA & OCEANIA								
AUSTRALIA/N.Z.	122.9	115.1	53.8	56.2	81.8	77.1	258.5	248.4
EGYPT	101.0	150.5	614.4	687.8	13.4	7.0	728.8	845.3
IRAN	125.7	162.4	264.5	276.0	53.8	47.0	444.0	485.4
IRAQ	42.3	21.6	100.8	72.0	20.1	11.5	163.2	105.1
ISRAEL	75.4	96.3	36.0	46.1	3.3	1.7	114.7	144.1
KENYA	24.6	23.8	28.8	30.2	2.0	0	55.4	54.0
NIGERIA	21.4	19.3	123.4	163.2	0	0	144.8	182.5
SOUTH AFRICA	291.8	198.1	148.8	166.6	27.8	24.4	468.4	389.1
TANZANIA	7.2	0.7	32.2	29.3	0	0	39.4	30.0
TOTAL M.E., A. & O.	812.3	787.8	1402.7	1527.4	202.2	168.7	2417.2	2483.9
TOTAL ALL COUNTRIES	39003.1	39283.6	40213.2	40294.4	3496.7	3096.1	82713.0	82674.1

a. Manufactured fiber data are from Table 8, pages 10 & 11, this issue and Table 12, pages 14 & 15, of the January 1991 issue. The data show the manufactured net available supply, which approximates mill consumptions.

b. **Source:** International Cotton Advisory Committee, ***Cotton: World Statistics***, Vol. 45, No. 1, October 1991. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton years ending July 31, 1989 & 1990.

c. **Source:** Commonwealth Secretariat, ***Wool Statistics***, 1990-1991. Wool refers to virgin wool, clean basis, at the spinning stage.

d. Represents minimal quantity, with exact amount not reported.

TABLE 10:
U.S. PRODUCTION OF HOSIERY, 1981-1990
MILLION DOZEN PAIRS

ITEM	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WOMEN'S										
PANTYHOSE - SHEER	59.6	58.5	64.0	67.1	57.9	57.3	53.7	51.9	46.2	40.2
- ELASTOMER	39.0	43.2	47.6	39.4	49.0	52.0	56.0	64.7	65.9	64.2
- OTHER [a]	2.4	3.4	5.0	7.4	7.3	8.8	10.2	8.6	7.5	8.4
SUBTOTAL PANTYHOSE	101.0	105.1	116.6	113.9	114.2	118.1	119.9	125.2	119.6	112.8
STOCKINGS - NONSTRETCH	1.8	1.5	1.5	1.3	1.2	1.3	1.6	1.2	1.7	1.4
- STRETCH	2.1	2.4	2.7	2.5	2.2	1.8	2.2	2.2	2.8	2.8
- SUPPORT	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.3	0.6	0.9
- OTHER	0.1	0.1	+	+	0.1	0.1	+	0.1	+	+
SUBTOTAL STOCKINGS	4.6	4.5	4.8	4.2	3.9	3.5	4.2	3.8	5.1	5.1
SHEER KNEE-HIGHS & ANKLETS	42.6	38.1	40.3	44.0	42.2	45.3	42.8	40.9	42.2	36.4
TOTAL WOMEN'S	148.2	147.7	161.7	162.1	160.3	166.9	166.9	169.9	166.9	154.3
MEN'S (SIZES 10 and up)										
ANKLETS & FOOTSOCKS	27.8	27.1	27.2	26.8	26.0	26.6	26.9	24.1	24.9	21.6
MID-CALF	19.9	17.3	17.8	17.7	17.6	19.6	18.9	21.9	22.5	21.0
KNEE-HIGHS	20.7	17.6	21.5	23.9	23.8	21.5	18.4	21.2	20.6	18.3
TOTAL MEN'S	68.4	62.0	66.5	68.4	67.4	67.7	64.2	67.2	68.0	60.9
GIRLS', BOYS' & WOMEN'S (SIZES 8 -11)										
ANKLETS	14.6	11.9	17.3	19.5	19.4	27.4	29.1	29.8	37.8	36.1
KNEE-HIGHS	29.8	23.4	25.7	20.2	17.0	13.7	11.4	11.1	8.9	7.9
MID-CALF/CREW	4.5	4.0	4.9	4.5	6.2	8.2	12.1	14.9	19.4	18.9
WAIST-HIGHS	0.5	0.5	0.5	0.5	0.6	0.5	0.7	0.7	0.7	0.8
FOOTSOCKS	9.4	6.5	5.8	5.2	6.1	6.4	5.9	4.6	3.4	4.4
TOTAL GIRLS', BOYS' & WOMEN'S	58.8	46.3	54.2	49.9	49.3	56.2	59.2	61.1	70.2	68.1
INFANTS' & CHILDREN'S (SIZES 3 - 8 1/2)										
ANKLETS	20.5	16.1	16.5	15.5	14.2	16.6	16.9	17.0	21.4	18.8
KNEE-HIGHS	7.7	6.7	7.0	5.8	4.6	3.5	3.3	3.9	3.4	1.9
MID-CALF	1.2	1.4	1.4	3.6	5.7	6.7	7.9	10.8	14.9	10.0
WAIST-HIGHS & FOOTSOCKS	1.8	1.6	2.1	2.3	1.8	1.8	1.5	1.7	1.5	6.0*
TOTAL INFANTS' & CHILDREN'S	31.2	25.8	27.0	27.2	26.3	28.4	29.6	33.4	41.2	36.7
TOTAL HOSIERY	306.6	281.8	309.4	307.6	303.3	319.2	319.9	331.6	346.3	320.0

SOURCE: National Association of Hosiery Manufactures - ***1990 Hosiery Statistics.***

\+ Less than 100 thousand dozen pairs.

* Reflects data not included prior to 1990.

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 11:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38	114	80	117	151	74	69	56	14		836	626
BELGIUM	3	21	4	41	6	9	19	111	281	288	170		953	20
BRAZIL	109	164	28	109	27	27	23	28	18	0	138		671	867
CANADA	775	408	877	1147	905	740	633	730	1165	1486	1689		10555	5314
CHILE	44	22	44	0	44	66	110	88	110	154	66		748	1037
WEST GERMANY	478	633	531	493	686	421	448	810	809	1069	771		7149	7310
JAPAN	111	134	114	119	142	108	177	82	287	179	143		1596	1070
MEXICO	150	39	118	41	79	64	136	205	109	227	96		1264	1088
NETHERLANDS	263	188	279	218	129	277	191	196	110	197	152		2200	3199
UNITED KINGDOM	86	0	0	35	109	38	183	262	230	291	351		1585	375
ALL OTHER COUNTRIES [a]	15	35	29	2	0	26	8	26	2	4	1		148	1179
TOTAL ARTIFICIAL YARN	2157	1644	2062	2319	2207	1893	2079	2612	3190	3951	3591		27705	22085
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214	396	1672	1470	1377	2002	2981	1404	1163		16389	14389
CANADA	3228	2840	3042	1843	1824	3870	3587	4086	3382	3760	4728		36190	44488
CHINA, PRC	321	0	251	211	760	0	0	149	0	0	0		1692	563
FINLAND	309	197	371	143	167	459	491	391	379	368	563		3838	5789
WEST GERMANY	515	46	0	0	0	0	262	81	0	7	80		991	4889
JAPAN	84	227	95	95	95	109	62	79	40	30	145		1061	1615
TAIWAN	1336	1268	1186	1721	1148	1773	813	176	416	308	0		10145	14454
THAILAND	763	1317	232	296	513	231	220	0	0	268	0		3840	2902
UNITED KINGDOM	815	438	473	128	70	21	332	128	236	202	80		2923	5656
YUGOSLAVIA	584	29	2559	636	81	239	729	84	39	166	0		5146	1729
ALL OTHER COUNTRIES [b]	223	206	0	122	119	81	590	120	108	224	247		2040	5837
TOTAL ARTIFICIAL STAPLE+TOW	9517	7939	9423	5591	6449	8253	8463	7296	7581	6737	7006		84255	102311
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	239	40	100	143	33	57	33	19	0	0	4		668	5856
BRAZIL	0	0	0	48	0	35	0	0	0	1	10		94	675
CANADA	2668	3903	3431	4073	5854	4970	5217	5412	4778	5961	5920		52187	43005
COSTA RICA	725	454	473	544	669	469	512	665	577	611	445		6144	5719
ECUADOR	0	34	34	15	0	0	0	0	0	0	0		83	482
FRANCE	627	705	668	841	962	1212	450	900	510	911	822		8608	10545
WEST GERMANY	1556	1449	1843	1576	1857	2178	2093	2337	1589	1742	2165		20385	20766
IRELAND	147	215	119	34	193	285	129	239	266	683	144		2454	551
ISRAEL	50	179	110	74	146	136	223	176	294	242	290		1920	0
ITALY	106	109	29	38	75	73	116	107	47	124	193		1017	5409
JAPAN	853	903	1401	1266	1190	894	1522	1605	932	1671	1145		13382	6179
KOREA, REP. OF	117	59	149	5	146	45	119	139	66	145	41		1031	572
MEXICO	1414	1663	1343	1620	1438	1066	1028	996	1384	1763	1253		14968	17617
NETHERLANDS	223	258	329	284	305	416	359	367	287	833	467		4128	2932
TAIWAN	89	91	45	132	184	184	122	132	166	69	61		1275	5306
THAILAND	61	67	65	95	129	63	81	66	74	110	30		841	830
UNITED KINGDOM	1740	1370	2596	1637	1678	1695	2578	2287	2275	2264	2661		22781	16307
ALL OTHER COUNTRIES [c]	75	82	58	222	104	501	630	462	404	337	389		3264	1908
TOTAL SYNTHETIC YARN	10690	11581	12793	12647	14963	14279	15212	15909	13649	17467	16040		155230	144659
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	16	25	0	12	1	3	0	1	12	4	16		89	373
AUSTRALIA	75	143	0	81	60	8	47	0	45	38	35		532	864
BRAZIL	0	110	199	87	86	0	123	52	0	0	0		657	2774
CANADA	1378	1146	968	1942	2184	2466	2427	1699	2993	5142	3803		26148	24896
FRANCE	544	417	282	421	382	323	471	417	435	329	363		4384	4793
WEST GERMANY	1136	1400	1732	1931	1556	1881	1902	2022	1794	2050	1945		19351	13309
INDIA	3008	3879	264	0	1186	646	152	144	333	290	400		10302	14544
IRELAND	0	0	0	0	357	328	660	208	386	310	40		2269	546
ITALY	176	47	80	53	203	11	48	175	28	196	187		1204	2383
JAPAN	2386	2197	2080	1840	2110	2337	2270	2143	2080	2541	2286		24270	21809
KOREA, REP. OF	4958	6473	6864	5486	7279	6700	6128	6620	3456	7998	6327		68287	40722
MALAYSIA	0	95	0	48	48	44	44	44	0	0	0		323	279
MEXICO	1957	1575	1576	2743	2130	1364	2809	2304	971	2252	1426		21107	21948
SPAIN	14	22	0	20	29	7	154	82	37	61	44		470	288
SWITZERLAND	117	285	152	127	183	383	364	370	372	465	72		2870	2124
TAIWAN	3102	1918	1891	3664	3181	2923	2864	4005	3625	5170	5100		37443	15161
TURKEY	0	0	2	111	0	151	65	37	0	73	0		439	764
UNITED KINGDOM	1848	1395	983	1630	1359	1064	1017	1406	956	1821	1958		15417	18761
ALL OTHER COUNTRIES [d]	137	87	29	170	77	213	580	394	140	332	242		2401	2230
TOTAL SYNTHETIC STAPLE+TOW	20851	21214	17082	20366	22413	20832	22123	22123	17643	29072	24244		237963	188577

a. India 103, France 16, Italy 16, Spain 7, Taiwan 5, Hong Kong 1.
b. Sweden 1125, Poland 225, Turkey 219, Romania 177, Spain 136, Belgium 45, Syria 44, Netherlands 38, USSR 18, France 4, Italy 4, Brazil 3, Mexico 2.
c. Turkey 1658, Australia 278, Portugal 182, Sweden 174, Czechoslovakia 167, Austria 145, Switzerland 134, Peru 106, Singapore 84, Venezuela 60, Colombia 42, Spain 42, China, PRC 39, Honduras 39, Hong Kong 37, El Salvador 25, Morocco 17, Yugoslavia 13, Denmark 6, Greece 5, Argentina 4, South Africa 4, Finland 2, India 1.
d. Denmark 1027, Israel 479, Hong Kong 246, China, PRC 223, Netherlands 107, Romania 85, Hungary 63, South Africa 63, Thailand 49, Czechoslovakia 34, Belgium 16, Colombia 4, Ecuador 3, Sweden 1, USSR 1.

TABLE 12:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212	316	231	83	77	311	298	842	580		3390	2106
TEXTURED	0	0	0	0	0	0	5	0	0	28	0		33	364
OTHER	1845	1514	1847	1999	1975	1809	1996	2300	2888	3080	3011		24264	18977
MONOFILAMENTS & STRIPS	1	1	3	4	1	1	1	1	4	1	0		18	638
SUBTOTAL ABOVE	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**	**3951**	**3591**		**27705**	**22085**
STAPLE	8891	7889	9419	5533	6391	8250	8359	7269	7549	6613	6943		83106	97333
TOW	626	50	4	58	58	3	104	27	32	117	63		1142	4971
TOPS	0	0	0	0	0	0	0	0	0	7	0		7	7
SUBTOTAL ABOVE	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**	**6737**	**7006**		**84255**	**102311**
WASTE	**87**	**129**	**0**	**695**	**177**	**275**	**321**	**89**	**128**	**38**	**0**		**1939**	**471**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704	2541	1923	1751	1450	1330	940	1175	827		17205	14450
TEXTURED														
UP TO 450 DENIER	198	350	232	285	478	302	535	336	377	542	391		4026	3245
OVER 450 DENIER	1197	1786	1557	1069	3421	3870	3037	3336	2638	3597	3886		29394	27096
POY	2103	1563	3032	1981	2240	2740	2969	2577	2270	2210	3020		26705	9607
OTHER	834	780	821	1828	1718	1726	2312	2544	2460	3184	2352		20559	21595
MONOFILAMENTS & STRIPS	150	72	131	131	139	51	172	111	117	107	132		1313	1518
SUBTOTAL ABOVE	**5655**	**6942**	**7477**	**7835**	**9919**	**10440**	**10475**	**10234**	**8802**	**10815**	**10608**		**99202**	**77511**
POLYESTER														
HIGH TENACITY	785	708	651	621	671	339	340	598	563	556	1129		6961	5691
TEXTURED	833	810	561	622	642	455	383	476	684	643	597		6706	9993
POY	207	172	201	246	406	300	238	240	334	183	206		2733	4404
OTHER	1548	1439	2102	1371	1486	1064	1490	1943	1634	2499	1726		18302	18082
MONOFILAMENTS & STRIPS	41	31	30	68	31	73	141	58	52	12	48		585	612
SUBTOTAL ABOVE	**3414**	**3160**	**3545**	**2928**	**3236**	**2231**	**2592**	**3315**	**3267**	**3893**	**3706**		**35287**	**38782**
OTHER SYNTHETIC FILAMENT														
TEXTURED	248	105	164	174	107	103	194	132	84	105	130		1546	19440
OTHER	841	804	1233	1149	1260	870	1261	1372	859	1817	935		12401	3110
MONOFILAMENTS & STRIPS	532	570	374	561	441	635	690	856	637	837	661		6794	6116
SUBTOTAL ABOVE	**1621**	**1479**	**1771**	**1884**	**1808**	**1608**	**2145**	**2360**	**1580**	**2759**	**1726**		**20741**	**28666**
STAPLE														
NYLON	1879	1788	1576	2330	2039	2057	2881	2247	2973	2823	2330		24923	33888
POLYESTER	14049	15468	11687	12879	15989	14655	14125	14868	10860	20844	16496		161920	107089
ACRYLIC	853	804	971	1640	1303	1403	1364	1098	1438	1379	1276		13529	15670
POLYPROPYLENE	134	305	363	271	156	464	1093	782	93	58	155		3874	1519
OTHER	276	229	400	211	308	204	248	285	302	339	388		3190	2793
TOW														
NYLON	591	386	240	543	533	325	564	567	545	524	476		5294	4763
POLYESTER	35	272	35	150	46	132	10	107	35	91	35		948	905
ACRYLIC	2869	1898	1768	2227	1957	1438	1649	2058	1108	2440	2025		21437	19334
OTHER	16	59	0	0	10	0	0	45	0	0	37		167	529
TOPS	149	5	42	115	72	154	189	66	289	574	1026		2681	2087
SUBTOTAL ABOVE	**20851**	**21214**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**	**29072**	**24244**		**237963**	**188577**
WASTE														
NYLON	2030	1483	1848	1319	1611	1555	1931	2153	1788	1982	1091		18591	20169
POLYESTER	2217	1032	774	765	886	1091	905	1185	1164	1458	855		12332	22808
OTHER	309	381	625	751	499	499	632	565	716	987	650		6614	7858
TOTAL MANUFACTURED FIBERS ABOVE	**47858**	**45403**	**44407**	**44453**	**49205**	**48677**	**51666**	**51932**	**45859**	**61692**	**53477**		**544629**	**509248**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98	125	189	90	185	93	119	207	217		1535	999
SPUN YARN	579	341	416	648	575	525	800	635	824	431	418		6192	5380
SPUN YARNS														
SYNTHETIC	431	843	746	610	636	663	581	487	539	528	659		6723	22440
ARTIFICIAL	0	0	0	0	0	0	0	0	0	0	0		0	0
PUT UP FOR RETAIL SALE	67	66	58	60	91	66	28	56	35	32	29		588	145
GRAND TOTAL ABOVE	**48984**	**46816**	**45725**	**45896**	**50696**	**50021**	**53260**	**53203**	**47376**	**62890**	**54800**		**559667**	**538212**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 13:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263	22	74	82	115	207	100	20	198		1499	1121
TEXTURED	65	44	41	198	31	159	79	208	89	20	37		971	1179
OTHER	211	69	132	193	41	257	67	87	15	109	85		1266	660
MONOFILAMENTS & STRIPS	2	8	42	12	6	9	24	65	18	20	56		262	243
SUBTOTAL ABOVE	**412**	**405**	**478**	**425**	**152**	**507**	**285**	**567**	**222**	**169**	**376**		**3998**	**3203**
STAPLE	970	779	549	710	1403	2701	1571	1221	1159	1535	1608		14206	14456
TOPS	0	15	3	0	53	103	159	0	116	575	690		1714	1335
SUBTOTAL ABOVE	**970**	**794**	**552**	**710**	**1456**	**2804**	**1730**	**1221**	**1275**	**2110**	**2298**		**15920**	**15791**
WASTE	**527**	**666**	**2006**	**425**	**500**	**508**	**360**	**834**	**363**	**1190**	**837**		**8216**	**5904**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547	9139	8564	5075	6075	4386	4333	4581	4519		72176	114118
TEXTURED														
UP TO 450 DENIER	1068	886	1636	1558	1172	1106	770	1121	829	921	1140		12207	10411
OVER 450 DENIER	4023	4917	3298	3021	2921	3681	4369	3046	4370	3906	3517		41069	44578
POY	61	102	38	66	17	21	6	16	30	14	17		388	0
OTHER	3060	2769	3549	3394	3367	4106	2555	2955	3644	3481	3522		36402	26586
MONOFILAMENTS & STRIPS	34	57	6	56	31	34	14	39	35	41	31		378	688
SUBTOTAL ABOVE	**16316**	**16618**	**18074**	**17234**	**16072**	**14023**	**13789**	**11563**	**13241**	**12944**	**12746**		**162620**	**196381**
POLYESTER														
HIGH TENACITY	5640	5735	5488	5274	6132	7976	5217	3770	3367	4188	3949		56736	47493
TEXTURED	5014	4345	7042	5020	6176	5011	4888	4724	4970	4666	2962		54818	40740
POY	557	685	2216	2078	1814	898	747	405	1011	261	2451		13223	15359
OTHER	2391	1711	2362	2654	2594	1376	2530	3098	3737	3657	1460		27570	21976
MONOFILAMENTS & STRIPS	138	80	235	349	430	363	85	386	196	138	105		2505	2012
SUBTOTAL ABOVE	**13840**	**12556**	**17343**	**15375**	**17146**	**15624**	**13467**	**12383**	**13281**	**12910**	**10927**		**154852**	**127580**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620	473	637	420	398	670	578	598	965		6589	6040
OTHER	2963	1623	2068	2461	2088	1693	2320	1308	1063	2101	1480		21168	24199
MONOFILAMENTS & STRIPS	1050	859	1470	1062	1138	1092	1251	1612	1371	2001	1172		14078	11769
SUBTOTAL ABOVE	**4616**	**3109**	**4158**	**3996**	**3863**	**3205**	**3969**	**3590**	**3012**	**4700**	**3617**		**41835**	**42008**
STAPLE														
NYLON	2146	2453	1337	1768	2288	2925	1806	2547	3324	2851	3026		26471	24932
POLYESTER	6379	8388	10134	9404	10384	9044	7979	10004	11139	7313	7836		98004	76296
ACRYLIC	2431	1826	2976	2459	2082	3630	2592	1149	1616	1429	2121		24311	47305
POLYPROPYLENE	3302	1817	1957	3106	2742	2253	2680	3715	2708	2857	3357		30494	26126
OTHER	1489	1074	1811	1089	1383	682	1166	709	781	773	298		11255	13832
TOW														
NYLON	253	150	187	122	96	141	102	159	161	159	293		1823	1832
POLYESTER	58	1	32	79	47	60	14	76	23	26	67		483	768
ACRYLIC	1511	1278	855	339	328	796	439	487	514	522	659		7728	20078
OTHER	14	1	402	7	3	0	0	16	28	2	74		547	1660
TOPS	11009	5452	6387	4995	10029	2354	7337	7718	5749	13166	11615		85811	58263
SUBTOTAL ABOVE	**28592**	**22440**	**26078**	**23368**	**29382**	**21885**	**24115**	**26580**	**26043**	**29098**	**29346**		**286927**	**271092**
WASTE														
NYLON	2788	2965	3563	2700	1549	3207	2195	2134	2078	2456	2206		27841	37352
POLYESTER	2989	5530	5263	2796	2684	1716	3340	2878	4935	3422	5855		41408	30141
OTHER	6305	6811	7387	7147	6759	8674	4910	6273	5599	6427	6110		72402	57875
TOTAL MANUFACTURED FIBERS ABOVE	**77355**	**71894**	**84902**	**74176**	**79563**	**72153**	**68160**	**68023**	**70049**	**75426**	**74318**		**816019**	**787327**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	827	890	850	1560	761	905	845	1371	977	712	795		10493	437
SPUN YARN	159	277	174	178	275	156	272	1781	237	240	710		4459	0
SPUN YARNS														
SYNTHETIC	891	1256	1434	1865	1403	1521	1641	1266	1264	1703	1678		15922	46176
ARTIFICIAL	123	145	216	264	285	468	347	517	512	559	533		3969	0
PUT UP FOR RETAIL SALE	1488	1488	2601	2873	2730	3077	2946	4189	4482	2245	2027		30146	8674
GRAND TOTAL ABOVE	**80843**	**75950**	**90177**	**80916**	**85017**	**78280**	**74211**	**77147**	**77521**	**80885**	**80061**		**881008**	**842614**

SOURCE: U.S. Census Bureau Report EM522.

GRAPH 6:
TOTAL MANUFACTURED FIBER PRODUCTION & SHIPMENTS
MILLION POUNDS

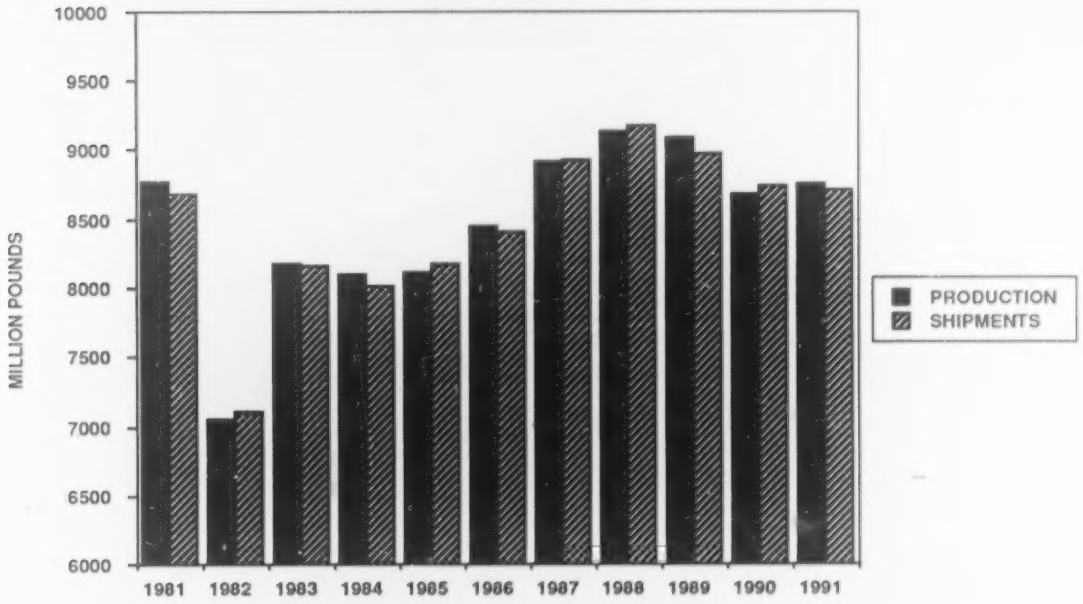


TABLE 14:
TOTAL MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991	1990	% CHG. 1991/1990	1989	% CHG. 1991/1989	1988	% CHG. 1991/1988
ARTIFICIAL (CELLULOSIC)							
YARN	212.2	206.7	*+2.7*	219.0	*-3.1*	216.7	*-2.1*
RAYON STAPLE	263.6	304.2	*-13.3*	354.4	*-25.6*	406.5	*-35.2*
TOTAL ARTIFICIAL (CELLULOSIC)	475.8	510.9	*-6.9*	573.4	*-17.0*	623.2	*-23.7*
SYNTHETIC (NONCELLULOSIC)							
YARN+MONOFILAMENTS							
NYLON - INDUSTRIAL	314.3	341.2	*-7.9*	364.5	*-13.8*	375.2	*-16.2*
- CARPET	938.5	986.0	*-4.8*	967.7	*-3.0*	976.2	*-3.9*
- TEXTILE [a]	383.1	369.1	*+3.8*	399.9	*-4.2*	387.0	*-1.0*
POLYESTER - INDUSTRIAL	335.6	360.9	*-7.0*	365.3	*-8.1*	360.2	*-6.8*
- TEXTILE [a]	860.8	770.2	*+11.8*	804.0	*+7.1*	871.9	*-1.3*
OLEFIN	1402.2	1426.3	*-1.7*	1248.5	*+12.3*	1219.6	*+15.0*
TOTAL YARN	4234.5	4253.7	*-0.5*	4149.9	*+2.0*	4190.1	*+1.1*
STAPLE+TOW+FIBERFILL							
NYLON	862.5	974.7	*-11.5*	978.5	*-11.9*	963.9	*-10.5*
ACRYLIC+MODACRYLIC	447.1	500.6	*-10.7*	537.4	*-16.8*	590.2	*-24.2*
POLYESTER	2230.9	2098.7	*+6.3*	2354.8	*-5.3*	2448.9	*-8.9*
OLEFIN	457.5	410.6	*+11.4*	377.4	*+21.2*	363.8	*+25.8*
TOTAL STAPLE	3998.0	3984.6	*+0.3*	4248.1	*-5.9*	4366.8	*-8.4*
TOTAL SYNTHETIC (NONCELLULOSIC)	8232.5	8238.3	*-0.1*	8398.0	*-2.0*	8556.9	*-3.8*
TOTAL MANUFACTURED FIBER	8708.3	8749.2	*-0.5*	8971.4	*-2.9*	9180.1	*-5.1*

a. Includes low denier industrial yarn.

TABLE 15:
SELECTED U.S. ANNUAL FIBER DATA

MILLION POUNDS

ITEM	1985	1986	1987	1988	1989	1990	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS [a] [b]						
ARTIFICIAL (CELLULOSIC)							
YARN	210.1	212.3	191.7	216.7	219.0	206.7	212.2
RAYON STAPLE	358.7	403.8	415.5	406.5	354.4	304.2	263.6
TOTAL ARTIFICIAL (CELLULOSIC)	568.8	616.1	607.2	623.2	573.4	510.9	475.8
SYNTHETIC (NONCELLULOSIC)							
YARN+MONOFILAMENTS							
NYLON - INDUSTRIAL[c]	345.1	333.4	373.4	375.2	364.5	341.2	314.3
- CARPET	835.4	898.5	941.6	976.2	967.7	986.0	938.5
- TEXTILE	355.3	360.5	378.8	387.0	399.9	369.1	383.1
POLYESTER - INDUSTRIAL[c]	292.1	313.9	338.8	360.2	365.3	360.9	335.6
- TEXTILE[d]	1020.4	855.8	841.5	871.9	804.0	770.2	860.8
OLEFIN [e]	951.1	1059.7	1143.8	1219.6	1248.5	1426.3	1402.2
TOTAL YARN	3799.4	3821.8	4017.9	4190.1	4149.9	4253.7	4234.5
STAPLE+TOW+FIBERFILL							
NYLON	843.6	908.2	985.5	963.9	978.5	974.7	862.5
ACRYLIC+MODACRYLIC	643.8	614.1	594.4	590.2	537.4	500.6	447.1
POLYESTER	2038.6	2123.4	2369.2	2448.9	2354.8	2098.7	2230.9
OLEFIN [f]	288.2	331.5	363.9	363.8	377.4	410.6	457.5
TOTAL STAPLE	3814.2	3977.2	4313.0	4366.8	4248.1	3984.6	3998.0
TOTAL SYNTHETIC (NONCELL.)	7613.6	7799.0	8330.9	8556.9	8398.0	8238.3	8232.5
TOTAL MANUFACTURED FIBER	8182.4	8415.1	8938.1	9180.1	8971.4	8749.2	8708.3
	MANUFACTURED FIBER YEAR END STOCK						
ARTIFICIAL (CELLULOSIC)							
YARN	12.3	14.8	14.2	11.4	9.9	9.4	10.4
RAYON STAPLE	22.5	22.4	20.7	14.0	22.4	17.3	27.0
TOTAL ARTIFICIAL (CELLULOSIC)	34.8	37.2	34.9	25.4	32.3	26.7	37.4
SYNTHETIC (NONCELLULOSIC)							
YARN+MONOFILAMENTS							
NYLON - INDUSTRIAL[c]	25.5	30.8	20.9	22.3	31.1	24.4	32.1
- CARPET	46.4	54.7	65.4	57.3	63.8	57.8	80.7
- TEXTILE	47.8	47.3	49.9	45.7	57.5	45.8	47.3
POLYESTER - INDUSTRIAL[c]	24.2	29.4	27.8	35.0	36.8	36.5	37.9
- TEXTILE [d]	83.7	81.5	81.5	70.9	108.9	83.3	93.3
OLEFIN [e]	64.9	62.9	52.9	57.4	66.1	56.4	59.4
TOTAL YARN	292.5	306.6	298.4	288.6	364.2	304.2	350.7
STAPLE+TOW+FIBERFILL							
NYLON	62.7	62.8	69.7	47.5	49.8	64.7	71.0
ACRYLIC+MODACRYLIC	64.4	66.2	63.3	61.2	66.5	71.7	78.5
POLYESTER	155.0	163.9	156.5	159.4	189.9	181.1	152.4
OLEFIN [f]	29.7	33.5	30.1	30.3	34.6	29.5	31.8
TOTAL STAPLE	311.8	326.4	319.6	298.4	340.8	347.0	333.7
TOTAL SYNTHETIC (NONCELL.)	604.3	633.0	618.0	587.0	705.0	651.2	684.4
TOTAL MANUFACTURED FIBER	639.1	670.2	652.9	612.4	737.3	677.9	721.8

a. The annual production of each fiber may be calculated as total shipments plus a stock increase or less a stock decrease from the previous year.
b. Producers' total domestic shipments plus export shipments.
c. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
d. Includes low denier industrial yarn.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes Vinyon until 1987.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1991	1990
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3	18.0	17.7	19.0	17.4	17.7	19.4	16.0	19.3	212.2	206.7
RAYON STAPLE	20.4	16.2	22.1	21.4	25.7	22.7	24.1	24.7	22.1	23.2	20.7	20.3	263.6	304.2
TOTAL ARTIFICIAL (CELLULOSIC)	35.2	32.6	38.3	41.7	43.7	40.4	43.1	42.1	39.8	42.6	36.7	39.6	475.8	510.9
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9	28.6	24.4	22.8	25.5	26.3	27.9	23.6	23.5	314.3	341.2
- CARPET	69.4	54.5	63.8	80.3	85.8	80.4	85.6	92.0	90.9	91.0	70.8	74.0	938.5	986.0
- TEXTILE	34.2	30.0	28.8	32.9	33.0	28.6	31.6	32.6	32.6	36.2	31.3	31.3	383.1	369.1
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1	29.0	29.1	26.6	28.9	26.9	32.4	28.3	26.8	335.6	360.9
- TEXTILE[f]	67.9	61.5	64.4	75.9	74.4	68.5	75.9	74.3	72.5	82.9	72.1	70.5	860.8	770.2
OLEFIN[e]	103.4	104.4	109.4	119.2	121.1	121.1	114.9	125.0	126.6	126.8	118.8	111.5	1402.2	1426.3
TOTAL YARN	329.1	305.5	319.4	365.3	371.9	352.1	357.4	378.3	375.8	397.2	344.9	337.6	4234.5	4253.7
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1	77.8	70.7	76.2	84.1	79.9	81.5	62.5	66.1	862.5	974.7
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2	37.5	42.0	33.1	40.0	37.0	45.0	36.5	35.0	447.1	500.6
POLYESTER	168.6	159.6	166.1	191.7	191.3	171.6	185.3	197.0	190.5	227.0	189.4	192.8	2230.9	2098.7
OLEFIN	34.7	30.9	34.6	38.5	40.7	37.5	38.1	44.0	38.5	44.5	41.9	33.6	457.5	410.6
TOTAL STAPLE	306.6	280.0	300.3	342.5	347.3	321.8	332.7	365.1	345.9	398.0	330.3	327.5	3998.0	3984.6
TOTAL SYNTHETIC (NONCELLULOSIC)	635.7	585.5	619.7	707.8	719.2	673.9	690.1	743.4	721.7	795.2	675.2	665.1	8232.5	8238.3
TOTAL MANUFACTURED FIBER	670.9	618.1	658.0	749.5	762.9	714.3	733.2	785.5	761.5	837.8	711.9	704.7	8708.3	8749.2
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6	9.4	9.4	9.6	9.4	9.8	9.9	10.3	10.4	10.4	9.4
RAYON STAPLE	22.4	27.3	26.0	26.6	23.9	24.9	25.9	24.8	23.7	23.2	24.9	27.0	27.0	17.3
TOTAL ARTIFICIAL (CELLULOSIC)	32.6	36.9	36.0	36.2	33.3	34.3	35.5	34.2	33.5	33.1	35.2	37.4	37.4	26.7
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9	26.1	28.2	30.8	29.7	31.0	31.6	29.6	32.1	32.1	24.4
- CARPET	72.0	80.6	77.6	66.3	58.5	58.4	59.9	52.1	47.1	50.3	64.3	80.7	80.7	57.8
- TEXTILE[f]	46.2	46.2	45.1	45.6	47.3	48.9	50.4	49.5	48.4	45.7	44.3	47.3	47.3	45.8
POLYESTER - INDUSTRIAL[d]	41.0	43.0	41.8	44.6	42.5	40.6	39.3	38.1	37.9	35.8	34.6	37.9	37.9	36.5
- TEXTILE[f]	86.4	93.4	93.9	90.5	90.7	91.7	92.2	86.1	89.3	83.6	82.1	93.3	93.3	83.3
OLEFIN[e]	61.5	59.7	61.1	59.8	56.4	53.3	53.4	53.7	56.1	57.9	59.9	59.4	59.4	56.4
TOTAL YARN	332.1	346.8	344.2	333.7	321.5	321.1	326.0	309.2	309.8	304.9	314.8	350.7	350.7	304.2
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2	61.2	59.5	61.9	57.3	56.5	56.3	69.1	71.0	71.0	64.7
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1	74.9	70.6	78.0	79.3	80.3	77.7	78.0	78.5	78.5	71.7
POLYESTER	192.7	189.5	192.0	185.8	170.5	162.0	174.9	164.7	157.9	148.6	143.5	152.4	152.4	181.1
OLEFIN	29.8	30.0	31.5	33.3	30.1	30.1	30.2	26.0	26.5	26.5	28.9	31.8	31.8	29.5
TOTAL STAPLE	366.9	373.5	371.1	359.4	336.7	322.2	345.0	327.3	321.2	309.1	319.5	333.7	333.7	347.0
TOTAL SYNTHETIC (NONCELLULOSIC)	699.0	720.3	715.3	693.1	658.2	643.3	671.0	636.5	631.0	614.0	634.3	684.4	684.4	651.2
TOTAL MANUFACTURED FIBER	731.6	757.2	751.3	729.3	691.5	677.6	706.5	670.7	664.5	647.1	669.5	721.8	721.8	677.9

	COTTON & WOOL CONSUMPTION[g] 1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER		
RAW COTTON	1032.9	1109.5	1099.3		3241.7	3098.4
APPAREL CLASS WOOL	35.5	40.6	37.5		113.6	92.0
CARPET CLASS WOOL	3.1	3.1	4.6		10.8	10.5
TOTAL RAW WOOL	38.6	43.7	42.1		124.4	102.5

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

g. **Cotton and Wool data for 1991 available on a quarterly basis only.**